

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID	<u>080523-501</u>	<u>#5</u>	Date	<u>07/16/08</u>	
County	<u>Pettis</u>	Route	<u>65</u>	Job No.	<u>J5P0934</u>
Contractor	<u>APAC-Missouri, Inc.</u>			Original Bid Cost	<u>\$13,922.58</u>
Designed By	<u>MoDOT</u>			By	<u>Phillip Raines</u>
VECP #	<u>VECP 08-60</u>			Phone	<u>573-449-0886</u>
			VECP	<input checked="" type="checkbox"/> or VECPPDU	<input type="checkbox"/>

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

The plans show installing a steel bar dam on each expansion joint on Turkey Creek & Muddy Creek. With the condition of the existing expansion joints, APAC is proposing to saw cut and seal the joint at a cost of \$6274.41 (3 joints @ \$2091.47/each). The existing expansion joints are closed and there is no room to be able to properly weld the steel bar dams to the expansion joints.

2. Estimate of reduction in construction costs. \$7648.17

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

None anticipated

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

August 1, 2008

(date)

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: This was discussed at pre-construction as being an acceptable option since steel bar dams would not work. This option was originally proposed by APAC prior to pre con meeting. I have requested a cost breakdown from APAC showing how they arrived at \$2091.47/EA.

E. Q. B.

Submitted By Resident Engineer

7/23/08

Date

Comments:

APAC has since resubmitted a reduced price per joint (see attached). It is agreed that this is an acceptable method in lieu of the original plan to address the expansion joints.

☒ Approval
Recommended

☐ Rejection
Recommended

Roger Schwartz

District Engineer

7/25/08

Date

Comments: *See above comment.*

☒ Approval

☐ Rejection

adm sw

State Materials

State Construction and Materials Engineer

7/28/08

Date

Distribution: Resident Engineer, Project Manager, District Operations Engineer, State Construction and Materials Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102



APAC-Missouri, Inc.

1591-A East Prathersville Road
Columbia, MO 65202
P.O. Box 1117
Columbia, MO 65205
Tel: 573 449-0886, Fax: 573 449-2980

July 24, 2008

Mr. Eric Bruss, R.E.
1501 W 32nd Street
Sedalia, MO 65301

RE: Route 65, Pettis Co.
Job No. J5P0934 & J5P0952
Contract I.D. No. 080523-501

Dear Mr. Bruss:

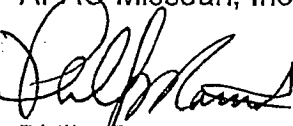
I have reviewed our cost estimate to saw and seal the expansion joints. In review, I discovered a discrepancy which will decrease our cost per joint. A breakdown is as follows:

Air Compressor	16 hr @ \$16.65/hr	\$266.40
Concrete Saw	16 hr @ \$25.00/hr	\$400.00
Tar Pot	16 hr @ \$25.00/hr	\$400.00
Flatbed Truck	16 hr @ \$22.65/hr	\$362.40
1-Operators	16 hr @ \$54.66/hr	\$874.56
1-Truck Driver	16 hr @ \$48.76/hr	\$780.16
2-Laborer	32 hr @ \$40.81/hr	<u>\$1305.92</u>
Total		\$4389.44/3 = \$1463.15 per joint

The price per joint of \$1463.15 includes the set up and removal of a lane drop for each day. It is anticipated that this work will be done in two shifts.

If you have any questions, please don't hesitate to contact me at (573) 289-9969.

Sincerely,
APAC-Missouri, Inc.


Phillip Raines
Project Manager



Safety First

Always

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☒ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's ect)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Eliminate installing a steel bar dam on each expansion joint, but instead saw cut and seal the existing joints

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.